

## EMPLOYMENT OPPORTUNITY ANNOUNCEMENT

DEPARTMENTS OF THE ARMY AND AIR FORCE  
OFFICE OF THE ADJUTANT GENERAL  
NORTH CAROLINA NATIONAL GUARD  
HUMAN RESOURCES OFFICE  
4105 REEDY CREEK ROAD  
RALEIGH, NORTH CAROLINA 27607-6410

ANNOUNCEMENT #: ARNGT 08-

OPENING DATE: 29 February 2008

CLOSING DATE: 31 March 2008

ANTICIPATED FILL DATE: 11 May 08

### POSITION TITLE AND NUMBER

Electronics Mechanic  
PDNS 70650000, MD #: 5125-21

### UNIT/ACTIVITY AND DUTY LOCATION

FMS # 5, NCARNG  
Charlotte, North Carolina

### GRADE AND SALARY

WG-2604-11 \$20.34 - \$23.82 per hour

A Secret clearance is required for this position.

### EMPLOYMENT STATUS

Excepted Service

WHO CAN APPLY: The area of consideration for this announcement is STATEWIDE. Applications will only be accepted from current employees of the North Carolina National Guard with a permanent Excepted Appointment, current military members of the North Carolina National Guard and individuals who are eligible and willing to enlist in the North Carolina Army National Guard.

HOW TO APPLY: Interested applicants may apply by submitting an Application for Federal Employment (Standard Form 171), Optional Application for Federal Employment (Optional Form 612), resume or any other form of application. It is REQUIRED that the Knowledge, Skills and Abilities (KSA) listed below be addressed and attached to the application. The application and KSA Statement should be mailed to the North Carolina National Guard, ATTN: JFHQ-NC-HRO, 4105 Reedy Creek Road, Raleigh, NC 27607-6410. It must be received not later than the closing date or if mailed postmarked by the closing date. NOTE: Information that must be provided when applying for a technician position is as follows: announcement number; name; address; telephone number; social security number; date of birth; citizenship; education; work experience; and other job-related qualifications. For more information, call 1-800-621-4136 ext. 6172/6431. Faxed or E-mailed copies will not be accepted.

QUALIFICATION REQUIREMENT: Must have 18 months specialized experience which demonstrates that the applicant has acquired the below listed KSA's. The application or resume must reflect 18 months experience. Education may be substituted for experience when applicable and the appropriate transcripts are submitted with application. In-service placement actions will be considered when applicable.

### KNOWLEDGE, SKILLS ABILITIES (KSA'S)

Below are listed the KSA's for this position. Applicants MUST address each KSA individually in paragraph format by explaining any civilian and military work experience (*with inclusive dates that reflect 18 months of specialized experience*) that provided that KSA. It is REQUIRED that this statement be attached to the application. Failure to include KSA's with inclusive dates will result in the applicant not being considered for this position. For more information or assistance, call 1-800-621-4136 ext. 6172/6431.

1. Knowledge of operating electronic principles such as circuit elements, digital logic, microprocessors, core memory, interface circuits, digital data transmission, microwave, antennas, signal behavior, amplification, and display.
2. Ability to troubleshoot, install, repair, and maintain complex electronic systems where circuit theory must be used to understand the operation of individual circuits.
3. Skill in developing new test and repair procedures for which none exist, and when possible improving existing procedures.
4. Ability to understand the interaction of a number of complex, interrelated circuits to determine the cause of a malfunction and the interaction of various factors.
5. Knowledge of electromechanical servo systems, pneumatics, hydraulics, and mechanical and electric motor systems and their effect on each other.
6. Skill in interpreting complex drawings, specifications, and schematics of complete systems to recognize the function and interconnections of the various assemblies and troubleshoot the systems from schematic, following signal paths through a complex path of interconnections of components, assemblies, subassemblies, and connecting cable harnesses.
7. Skill in using a wide variety of electronic test equipment such as systems test sets, frequency meters, standing wave indicators, oscillators, ohmmeters, voltmeters, resistance bridges, and signal generators, and the use of special and common hand tools, power tools, and gauges.
8. Skill in applying this knowledge to adapt test procedures to available test equipment, to develop time efficient means to return equipment to operation.

MILITARY ASSIGNMENT: Assignment to a compatible Enlisted position in the NCARNG is mandatory. (ENL: CMF: 94; MOS 14 J/T 15F/J/X/Y, 25C/D/F/L/P/Q/R/S/T/W/X/Y/Z, 33W, 45B/G/K, 91A, 94M)

CONDITIONS OF EMPLOYMENT: 1. Occupants of this position must maintain continuous military membership in the North Carolina Army National Guard (NCARNG). NCARNG status (military grade, MTOE or TDA assignment, MOS/SSI, military unit) and experience must be on the application. The recommended applicant will not be approved for promotion/reassignment until they occupy a

compatible MOS in the NCARNG shown under Military Assignment listed below. 2. The applicant selected for this position will be required to participate in the Direct Deposit/Electronic Fund Transfer Program.

**EVALUATION FACTORS USED:** Personal interviews, review of application and the KSA Statement.

**PRINCIPAL DUTIES AND RESPONSIBILITIES:** Performs functional tests, analyzes performance and malfunctions, removes, installs, tests, maintains, modifies, performs alignments and troubleshoots the electronic, electrical, mechanical and hydraulic assemblies, modules, and interconnecting cables of a variety of combat and tactical equipment to include the M1 series mainbattle tank, M2/3 series Bradley fighting vehicle, Multiple Launch Rocket System (MLRS), TOW Missile System and the ATACMS Launch Loader Module (LLM) and Q36 and Q37 Complex Radar Systems (Target Acquisition Systems). Utilizes Integrated Family Test Equipment (IFTE), Built In Test Equipment (BITE) and break out boxes (BOB) for fault isolation, verification, or adjustment of assemblies and modules. Repairs or replaces chassis mounted components on Unit Under Test (UUT). Performs Automatic Test Equipment (ATE) operations for fault isolation on LLM electronic modules, circuit cards, and assemblies to component level. Replaces faulty components on UUT printed circuit boards and power distribution systems. Utilizes oscilloscopes, signal generators, digital multi-meters, and other test equipment to locate, diagnose, and repair malfunctions. Troubleshoots and repairs launch pod/container (LP/C), trainer rocket simulator modules, Missiles/Launchers Pod Assembly (M/LPA), trainer missile simulator modules, and various like items. Troubleshoots carrier electrical and power distributions systems as an integrated subsystem of the weapon system or equipment being repaired. Isolates faulty assemblies, cables, wiring harnesses and modules to component level for repair or replacement. Insures proper integration of information between carrier, Fire Control System (FCS), vehicle and equipment hydraulic and mechanical systems, secure digital communications system, and intercommunications system. Installs equipment modifications to system per technical work orders. Performs initial and final checks and may perform inspections when required of designated systems. May act as quality assurance/control inspector for other mechanics' work. Determines deficiencies in troubleshooting procedures for the equipment being repaired and makes recommendations for corrective action to technical manuals. Performs field and limited sustainment maintenance to include installation, routine maintenance, repair, and overhaul of fixed and mobile operational communication and electronics systems, e.g., shelter mounted AM radio and teletype systems, shelter mounted single side band radio and teletype systems, shelter mounted radio relay and terminal systems, complex radar systems, interrogators, gun, rocket, and missile fire control, directional and digital computer systems, peripheral equipment, and related test equipment, and Modification Table Of Equipment (MTOE) authorized automation equipment. Repairs, aligns, and adjusts missile guidance control systems, infrared night vision sights, optical sights, and traversing units. Removes and replaces defective electrical, electronic, and mechanical components. Conducts inspections, diagnoses nature and extent of equipment malfunction. Determines whether equipment may be economically repaired or declared unserviceable, and performs required maintenance to restore to a serviceable condition various types of tactical computers, radio sets, and similar items. Repairs or salvages defective components. Isolates and diagnoses cause of circuit/component malfunction using signal string lists, schematics, standard, special, and electronic Test Measurement and Diagnostic Equipment (TMDE) or repair equipment. Uses associated field maintenance equipment in analytical maintenance procedures. Interprets complex schematic diagrams. Must exercise a high degree of judgment regarding methods and procedures for completing assignments, which may involve extending the use of conventional tools and equipment and improving changes to techniques, and procedures to reach specified parameters when factors such as temperature extremes, aging of equipment, or modification of circuits have changed operating conditions. Installs and applies equipment modifications when directed. Uses various types of test equipment to include systems test sets and stands such as AN/GRM-122s, frequency meters, standing wave indicators, oscillators, ohmmeters, voltmeters, resistance bridges, and signal generators to localize trouble by component unit, by circuit within a component, and by element of a circuit. Uses special and common hand tools, power tools, and gauges to make intricate repairs. Fabricates items and parts for repair of mechanical and electronic equipment. Performs administrative functions in establishing and maintaining maintenance records on equipment maintained or repaired. Assists in the preparation of requests for required repair parts. May conduct or be involved in a Maintenance Assistance and Instruction Team (MAIT) or act as an inspector on a Command Maintenance Evaluation Team (COMET) on electronic, automation, communication, and equipment. Provides technical assistance and instruction to units throughout the state so that they will be able to operate at the desired level of proficiency. Performs other duties as assigned.

**INSTRUCTIONS TO COMMANDERS/SUPERVISORS:** This position vacancy announcement will be given the broadest possible dissemination. A copy of this announcement will be posted to your unit/activity bulletin board.

**ADDITIONAL INSTRUCTIONS:** 1. Applicants are requested to identify, on a separate sheet of paper, their race and national origin from one of the following categories: Male or female; American Indian or Alaskan native; Asian or Pacific islander; Black, not of Hispanic origin; Hispanic; white, not of Hispanic origin. Submission of this information is voluntary and will be used in support of the NCNG Equal Employment and Affirmative Action Programs. 2. A permanent change of station (PCS) will not be authorized for the individual selected for this position unless agreed upon in advance by HRO and a PCS order is prepared prior to effective date. 3. Males born on or after 1 January 1960 must be registered with the selective service in order to be considered for federal employment.

**INFORMATION SUBMITTED WILL BE USED ONLY IN ACCORDANCE WITH THE PRIVACY ACT OF 1974**

**DISTRIBUTION:**

A, B, C-2, G-25, H-3, J-3, K-3, M, N-12, P-9, Q, W-2, Y-2, R: HRO-1, AGAV-1, AGCS-3, DCSANG-1, DCSLOG/G4-4, DCSOI-3, DCSPIR-3, FMCB-2, IG-1, SCSM-1, SRAA-1, VCSOP-1